# APPLICATION FOR CHANGE OF ZONING OF PROPERTY

Chatham County Planning Department	P O Box 54, 80-A East St. Pittsboro, NC 27312 Telephone. (919) 542-8204 FAX: (919)542-2698
Section A. APPLICANT INFORMATION	
NAME OF APPLICANT: Walter Lewis	
MAILING ADDRESS OF APPLICANT: 109 Tropaz Lane, Cary,	, NC 27511
PHONE NUMBER/E-MAIL OF APPLICANT: 919-319-1855 - who	ewis@nc.r <u>r.com</u>
PROPERTY OWNER INFORMATION (If different from the apprending see end of application.	olicant): *Owner Authorization Signature
Name(s) R.D. Meckes for J.R. Weaver Estate	
Address: 1765 Town Home Drive	
Apex, NC	ZIP <u>27502</u>
Telephone: 919-606-0664 FAX:	
E-Mail Address: rdmeckes@aol.com	
PROPERTY INFORMATION: The following information formation to process the rezoning request:	on is required to provide the necessary
ADDRESS OF SUBJECT SITE: 1298 Beaver Creek Road, New	Hill, NC 27562
CHATHAM COUNTY PROPERTY PARCEL NUMBER (AKPAR	#): 9791-76-7444-000
CURRENT ZONING DISTRICT(S): R-1 PROPOSED 2	ZONING DISTRICT(S): <u>CD-NB</u> <u>Neighborhood Business</u>
TOTAL SITE ACRES/SQUARE FEET: 3.056 net acres	
PROPOSED USE(S) AND PROPOSED CONDITIONS FOR THE	SITE: <u>RV and Boat Storage.</u>

It is important that the applicant provide information to explain how the rezoning request satisfies the following questions. All applications shall contain the following information. Please use attachments if necessary:

i.	The alleged error in this Ordinance, if any, which would be remedied by the proposed
	amendment with a detailed explanation of such error in the Ordinance and detailed reasons
	how the proposed amendment will correct the same.
	N/A

The changed or changing conditions, if any, of the area or in the County generally, which
make the proposed amendment reasonably necessary to the promotion of the public health,
safety and general welfare.

With continued growth and development in the triangle area and specifically Chatham County, there is a large unmet need for covered recreational vehicle and boat storage facilities – particularly on the east side of Jordan Lake. Jordan Lake is a major attraction for recreational and tourism activities. With this site surrounded on the south and west by the Poplar Point Campgrounds (approximately 578 campsites) and less than a mile from the Ebizner Church boat launching and picnic facilities. It is an excellent facility to provide a much needed service. The visual impact of the facility will be minimum as each unit is accessed from an interior courtyard – not visible from Beaver Creek Road. Each unit is provided with covered paved parking, each with a remote controlled garage door, units are either 32 or 36 foot deep and 13 feet wide.

 The manner in which the proposed amendment will carry out the intent and purpose of any adopted plans or part thereof.

Although the plan for this general area is for residential use, it should be recognized that recreational uses are major uses in the area and they need support facilities such as RV and Boat storage. Locating storage facilities close to the lake would serve multi-purposes such as decreasing driving distance (reducing traffic) as well as saving gasoline. This use is not a traffic generator, it only serves traffic that is already at the lake. The facility would have no views of the storage units (doors) and would provide screening and landscaping to better fit in with the surrounding area. Chatham County long range sanitary sewer plans do not anticipate bringing sewer to this section of the county. This requested use is one of the few uses that does not require either county sewer or a septic tank. The requested use does not require either sewer or water as there are no facilities proposed that require them.

 All other circumstances, factors and reasons which the applicant offers in support of the proposed amendment.

This facility will provide additional tax revenue for Chatham County. Currently zoned residential, the subject property has a 2011 tax value of \$85,500 with a generated tax revenue to Chatham County of \$585.00. The applicant estimates that the tax value upon completion of the facility will be approximately \$650,000. At the 2011 tax rate, this would generate tax revenue of approximately \$4.042 per year or over an additional 500% increase. Additionally this facility would provide a convenient and needed service in close proximity to the existing boat ramps and campground. The proposed storage facility is not a typical commercial use and could be considered a support use for the nearby recreational uses. As a limited conditional use, the use cannot change to typical use. With a limit of 24% imperious surfaces 76% of the site will remain pervious and two bio retention basins planted with plants will provide excellent watershed protection.

#### Section B. SUBMITTAL INFORMATION AND PROCEDURE

- (1) Sixteen (16) completed application packets and all supporting information shall be submitted to the Planning Department at least forty-five (45) days prior to the Public Hearing. (PLEASE SEE ATTACHED CALENDAR FOR ALL SUBMITTAL AND DEADLINE DATES) A digital copy of the application packet shall be submitted pursuant to the Planning Department Digital Document Submission Guidelines.
- (2) The Planning Department shall, before scheduling the public hearing, ensure that the application contains all the required information as specified in Section 5 of the zoning ordinance.
- (3) The Planning Department shall have fifteen (15) days from the date of submittal to notify the applicant that the application is complete for scheduling the public hearing.
  - a. If the Planning Department determines the information is not sufficient for review, the Department shall notify the applicant of the specific information that is required for review.
  - b. The Planning Department shall take no further action on the application until the applicant submits the required information.
  - c. Once the applicant corrects the identified deficiencies, the applicant shall resubmit to the Planning Department at least 45 days prior to the next Public Hearing meeting, and the Department shall have 15 days to review the information and notify the applicant that the information is sufficient for review.
  - d. A determination that an application contains sufficient information for review as provided in this subsection (b) does not limit the ability of other county agencies, the Planning Board or the Board of Commissioners to request additional information during the review process.
- (4) The application is reviewed by the Technical Review Committee prior to the Public Hearing for comments and recommendations from other agencies.

# Section C. SUPPLEMENTAL INFORMATION REQUIRED WITH THE APPLICATION and REQUIRED INFORMATION TO BE INCLUDED ON THE SITE PLAN

PLEASE INCLUDE ALL OF THE FOLLOWING (CHECK OFF). Please check the list below carefully before you submit:

- (1) The application shall include a site plan, drawn to scale, with supporting information and text that specifies the actual use or uses intended for the property and any rules, regulations, and conditions that, in addition to the predetermined ordinance requirements, will govern the development and use of the property. The following information must be provided, if applicable:
  - ⊠a. Information showing the boundaries of the proposed property as follows:
    - 1. If the entire parcel will be zoned, a GIS or survey map and parcel number of the subject property.
    - 2. If only a portion of the parcel will be zoned, a boundary survey and vicinity map showing the property's total acreage, parcel number, current zoning classification(s) and the general location in relation to major streets, railroads, and/or waterways,

  - ⊠c. All existing and proposed easements, reservations, and rights-of-way;
  - A Proposed number and general location of all building sites, their approximate location, and their approximate dimensions;

NOTE: The Zoning Administrator has the authority to waive any application requirement where the type of use or scale of the proposal makes providing that information unnecessary or impractical.

SECTION D.	SIGNATURE STATEMENTS
the information presented in I hereby designate <u>wAuto</u> application, to receive and re	In filing this application, I/we as the property owner(s), hereby certify that all of this application is accurate to the best of my knowledge, information and belief.  I LEWFS to act on my behalf regarding this appoint to administrative comments, to resubmit plans on my behalf and to neeting regarding this application.
owner's statement or myself accurate to the best of my kr requirements set out in this a	I hereby acknowledge that I am making this application on behalf of the above as the owner and that all the information presented in this application is nowledge, information, and belief. I acknowledge understanding of the application and in the ordinances and/or guidelines used to determine the tall and to proceed as determined.

OF	FIE USE ONLY:
	DATE RECD:
	BY:
	APPLICATION #: C
	FEE PAID \$:

# REPORT OF COMMUNITY MEETING REQUIRED BY THE CHATHAM COUNTY ZONING ORDINANCE

To:	ANGELA BIRCHETT, ZONING ADMINISTRATOR
Date.	July 3, 2012
Application #:	C
Proposed Zoning:	N-B Conditional Use
application was giv	ereby certifies that written notice of a community meeting on the above zoning en to the adjacent property owners set forth on the attached list by first class 13, 2012 . A copy of the written notice is also attached.
•	eld at the following time and place: 6:30 pm. at the Extra Garage storage orton Road. Apex, NC
	endance at the meeting were: Walter Lewis, Jerry Turner, Bobby & Suzanne ner Jr., Corey Brewington, Gene Holder and Daniel Titsworth

The following issues were discussed at the meeting: Mr. Walter Lewis opening meeting introduced himself and Jerry Turner. Talked about his ownership of Extra Garage and why he selected the proposed site for a new facility. Some of his reasons were:

- Direct access
- Closeness to Poplar Point Campground and Ebenezer Church day use and boat launching facilities.
- Fairly level site.

Mr. Lewis discussed he wanted to be a good neighbor and would listen to any suggestions that he would hear from the neighbors. Mr. Turner presented the following:

- Location Map of site showing relationship to the Corp land with Poplar Point and Ebenezer Church boat ramps.
- Elevations of proposed building showing all green roof and siding.
- Landscape and lighting plans showing buffers and bio-retention stormwater proposed. The
   Landscape buffers of 20' has been increased to 50' wide and now includes 55 trees and 55
   shrubs. The lighting proposed is either all interior to the courtyard or if visible from Beaver
   Creek Road would be cut-off down lights.

As a result of the meeting, the following changes were made to the rezoning petition:

After the Appearance Commission meeting on Wednesday, June 27, but before our neighborhood meeting the following Monday, July 2, we made the following changes to our plans at the suggestions of the Appearance Commission:

- 33 Trees 15 Magnolias and 18 Cryotomerir were added to the landscape <u>buffer along Beaver</u> Creek Road.
- The wall color of the building was changed from Ivory to Green to match the roof color, now the entire building is green.

The attached map shows where the neighbors that attended the meeting owned land.

- a. Mr. Daniel Titsworth lives here at 973 Beaver Creek Road.
- b. Mr. Gene Holder representing Chatham Redbud Properties, LLC attended. The land is vacant or farmland.
- c. Mr. Joseph Garner Jr. owns the tract that contains an abanded house. His son Corey Brewington indicated he planned to build a house on the site sometimes in the future, they both leave in Durham.
- d. <u>Bobby and Suzanne Dixon will reside in the house (48 Tody Goodwin Road) that is presently being renovated.</u>

No one representing the U.S. Corps of Engineers attended the meeting.

No one from the residence on SE Corner of Beaver Creek Road and Tody Goodwin came to meeting.

After the presentation, the neighbors discussed the pros and cons of the project.

Date:

Applicant:

Ву:

Please submit this Report to the Chatham County Planning Department located at 80-A East Street, Dunlap Building or mail it to Angela Birchett, Zoning Administrator, PO Box 54, Pittsboro, NC 27312.

905 Jones Franklin Road Kaleigh, North Carolina 27606

Landscape Architecture Land Planning

Environmental Design

June 13, 2012

#### Dear Neighbor:

On July 2, 2012 at 6:30 p.m. Jerry Turner and Associates, Inc. will present to the surrounding property owners a request that will be filed with Chatham County rezoning the property on Beaver Creek Road outlined on the enclosed map. The request is to allow a boat and R.V. storage facility. The meeting is being held at the Extra Garage storage facility on U.S. 64 at the North West corner of Bob Horton Road. This facility is owned and operated by Mr. Walter Lewis who will own and operate the proposed facility. The proposed facility will be of similar appearance as to building, colors, and landscaping as the Extra Garage. The purpose of the meeting is to present the proposed rezoning and solicit input from you as adjacent property owners. The developer Mr. Walter Lewis will also be present at the meeting to address your questions or concerns. We look forward to seeing you there.

If you have any questions, please call Jerry Turner at 919-851-7150 or email jerryturner@jerryturnerassoc.com.

Thank you.

The Extra Garage 25 Bob Horton Road Apex, NC 27523 July 2, 2012 6:30 p.m.



Map enclosed with letter to Neighors

Pin Number 9795-18-6724 9791-87-3329 9791-76-8754 9791-86-0277 Owner Name c/o US Army Corps of Engineers Chatham Redbud Properties, LLC Joesph L Garner, Jr. Darin L Fridley Address 2080 Jordan Dam Road 5425 Turkey Creek Drive 613 Mimosa Street 30 Tody Goodwin Road City, State, Zip Moncue, NC 27559 Raleigh, NC 27613 Durham, NC 27703 Apex, NC 27502

#### COMMUNITY MEETING SIGN IN SHEET PLEASE PRINT CLEARLY

NAME

ADDRESS

PHONE

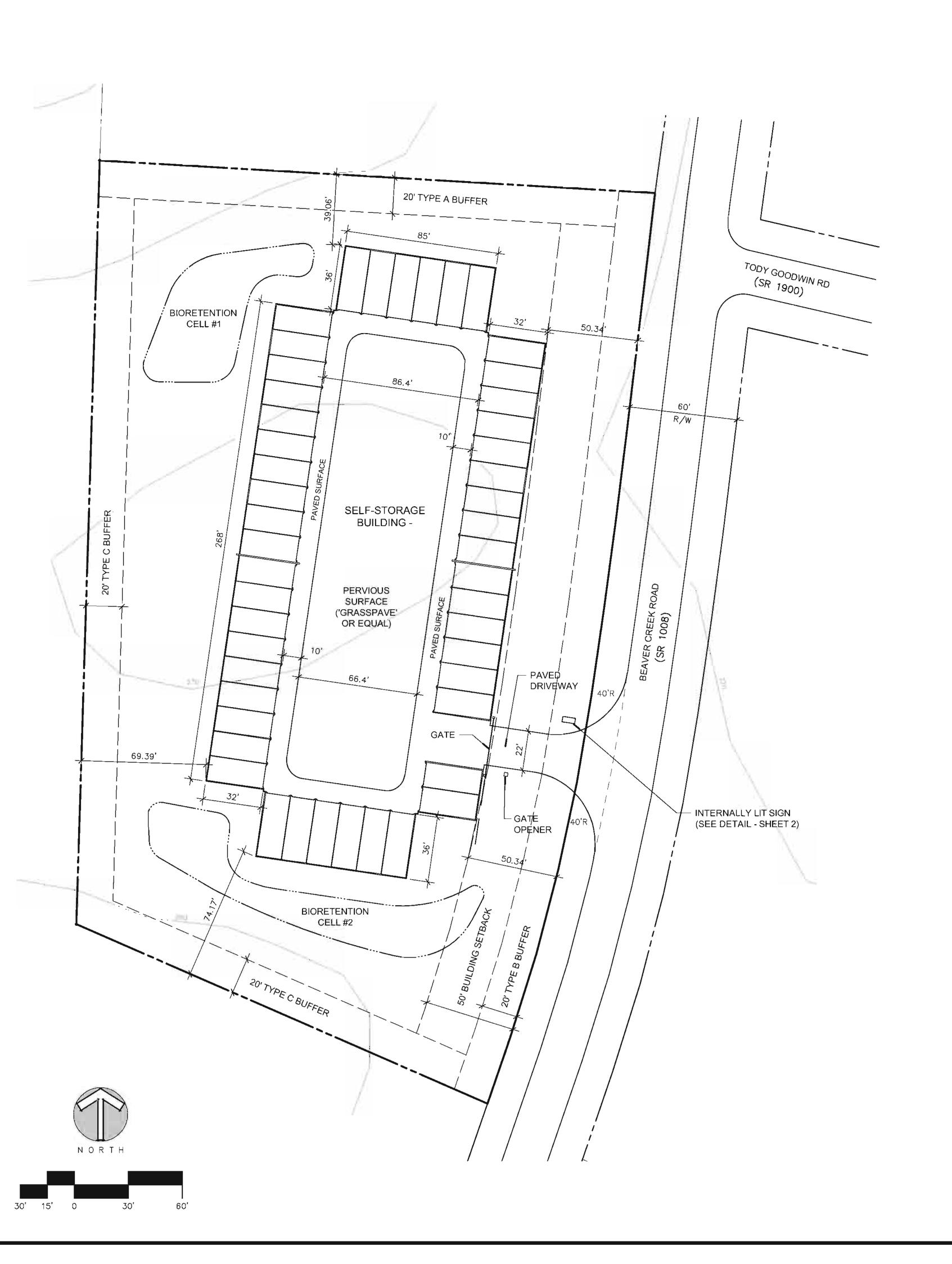
**EMAIL** 

Bobby & Suzanne Dixon	48 Tody Goodwick	1. Apex 274-44	Bobbyand Suzanno)
Joseph GARAGR JE	613 MIMUSAST. 3864 Meriwether Drive P.o. S. 4775 973 Beaver Geoxed	DWRHAM A	thundow budgax.pr
Coren Brewington	3804 Meriwether Drive	Durhan WC	obrevi 10440amail.
Gene Holder	P.O. S. 4775	915-770-5407	holcor \$5 6 801. con
Daniel Titsworth	973 Beaver Creeked	919-624-8924	danp mynclawyer.com
*			
Activities 111			
	_		
	115		

#### EXHIBIT A

Being a certain tract of land lying and being situated in New Hope Township, Chatham County, North Carolina, and being bounded on the North by the Keith property, bounded on the West and South by the U.S. Government and on the East by N.C.S.R. No. 1008 and being more particularly described as follows:

Beginning at the Northwesterly corner of the tract herein described, said corner being an iron pipe in the Government acquisition line of the B. Everett Jordan Lake project and also the Southwest corner of the Keith property, said corner having a N.C. Grid coordinate value of 716,554.71 feet North and 1,997,550.05 feet East; thence from the point of beginning with the Government acquisition line S01°-45'14W, 424.35 feet to the Government monument number 5441; therice continuing with said acquisition line S66°-25 -49" E, 279.35 feet to a point in the centerline of N.C.S.R. No. 1008; thence with the centerline of said road the following courses and distances: N18°-59'-58" E, 41.58 feet; N17°-20'-30" E, 49,99 feet; N14°-32'-03" E, 49,98 feet; N12°-08'-04" E, 50.05 feet; N09°-30'-29" E, 49.96 feet; N08°-15'-00" E, 50.05 feet; N07°-35'-20" E, 49.95 feet; N07°-01'-26" E, 50.06 feet; N06°-50'-13" E, 98.11 feet, to a point in the intersection of N.C.S.R. No. 1008 and N.C.S.R. No. 1900; thence continuing with the centerline of N.C.S.R. No. 1008 N06°-35'-49" E, 36.50 feet, to a nail set in said centerline; thence with the Keith property line N86°-39'-00" W, 339.17 feet to the point and place of beginning, containing 3,415 Acres (3,053 Acres exclusive of the road right-of-way) according to an actual survey by Smith and Smith Surveyors, July 18, 1983.



# SITE DATA

USE: BUILDING WILL BE USED FOR STORAGE OF RECREATIONAL VEHICLES AND BOATS

TOTAL STORAGE UNITS PROPOSED

48 UNITS

TOTAL SITE AREA

3.415 AC

AREA IN BEAVER CREEK RD. R/W

NET SITE AREA

3.056 AC

48 UNITS

148,757 SF

0.359 AC

15,638 SF

133,119 SF

IMPERVIOUS SURFACE PERMITTED 31,948 SF (24%)

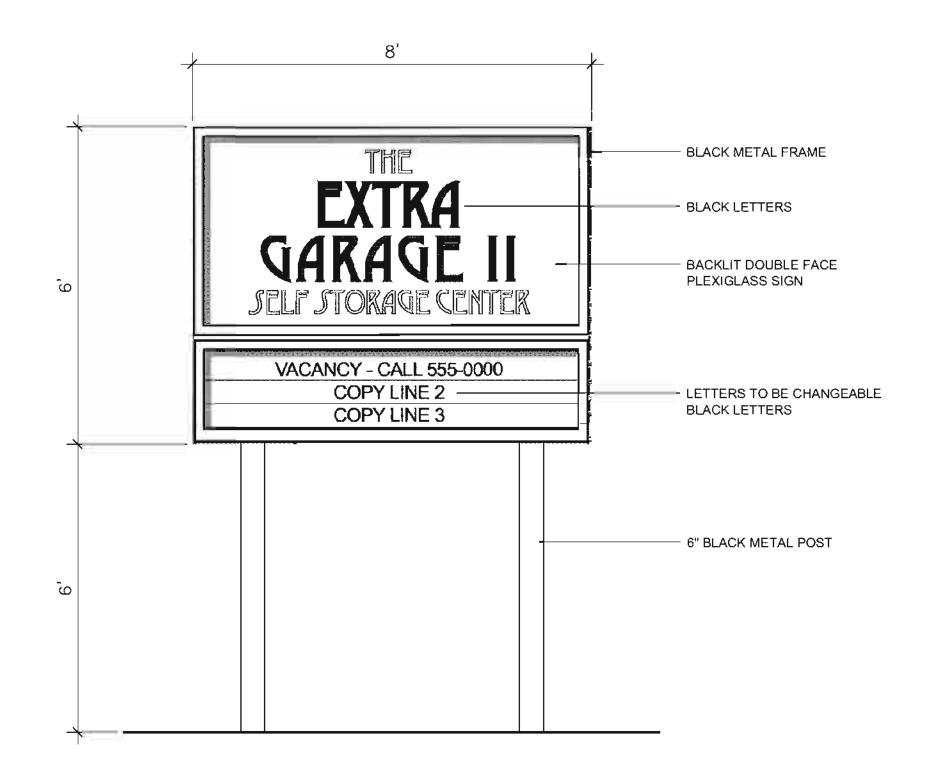
IMPERVIOUS SURFACE PROPOSED

SIGN DETAIL

SCALE: 1/2" = 1'-0"

BUILDING 22,903 SF
INTERIOR PAVING 7,697 SF
DRIVEWAY 1,266 SF

TOTAL 31,866 SF (23.9%)





THE
EXTRA
GARAGE II
SELF-STORAGE
CENTER

CHATHAM COUNTY, NC

OWNER/DEVELOPER: WALTER LEWIS

■ REVISIONS ■

DRAWN CHECKED

RT JT

SCALE DATE

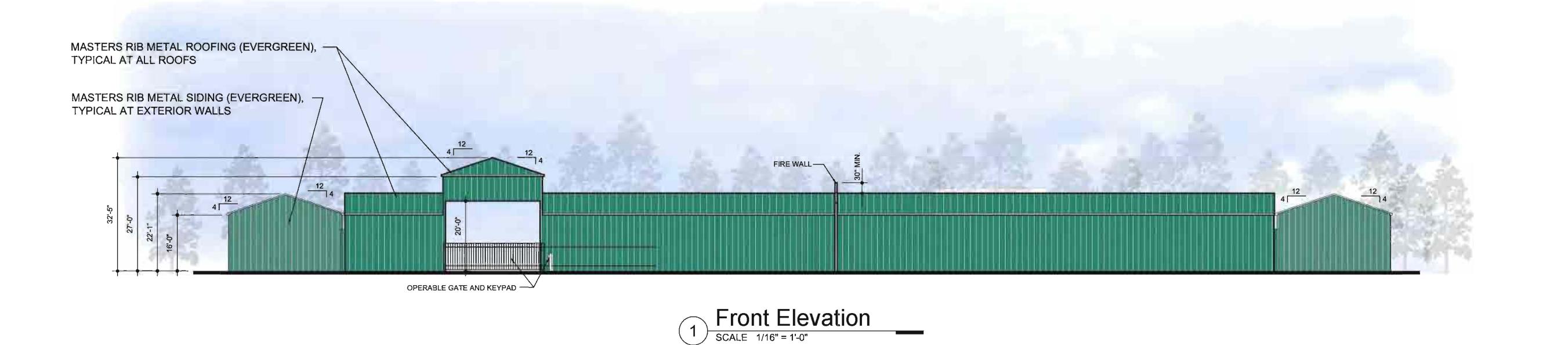
7/6/12

SITE LAYOUT PLAN

FILE NO. JOB NO.

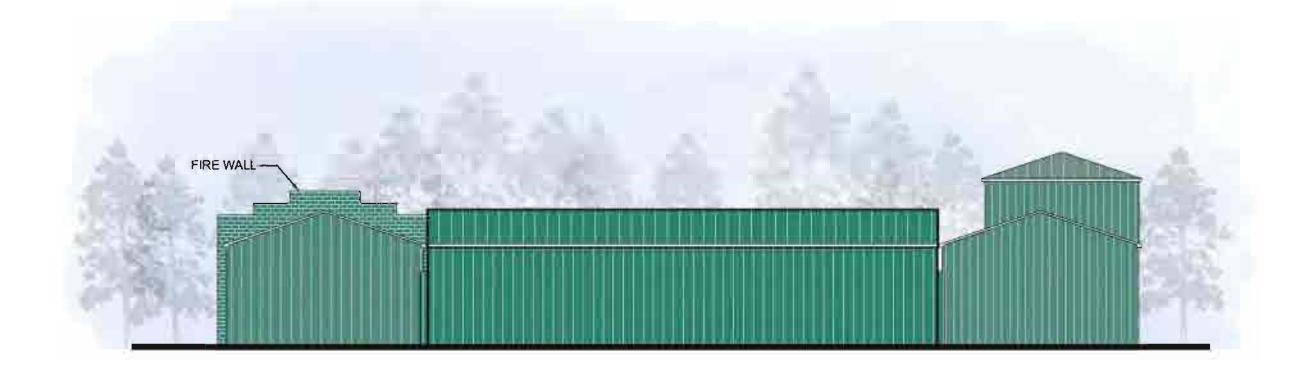
■ SEAL S.

1

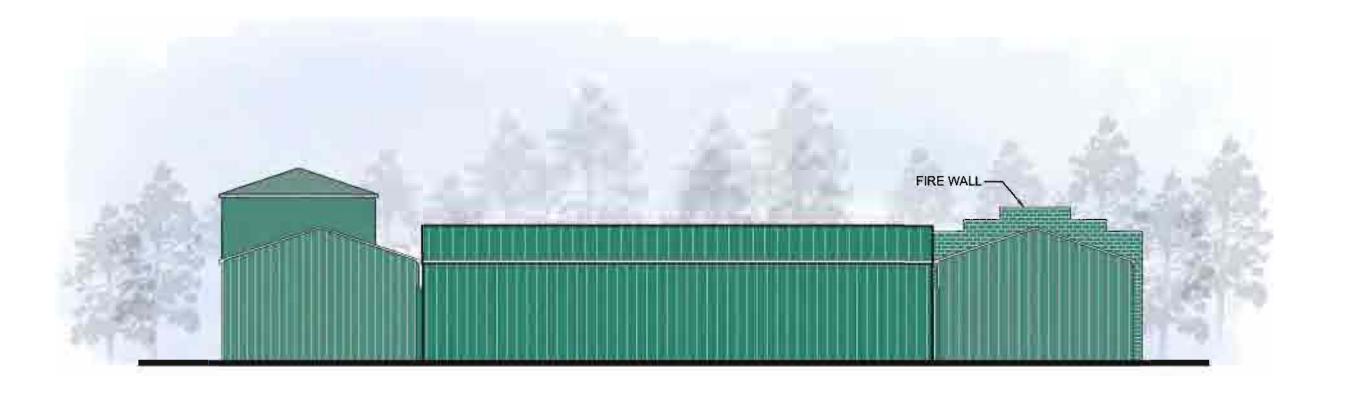


Rear Elevation

SCALE 1/16" = 1'-0"



South Elevation Scale 1/16" = 1'-0"



North Elevation

SCALE 1/16" = 1'-0"

Architect:

The Redfoot Studio Architecture PC Carrboro, North Carolina



Landscape Architecture Land Planning Environmental Design

905 Jones Franklin Road Raleigh, North Carolina 27606 (919) 851-7150 fax (919) 851-7547

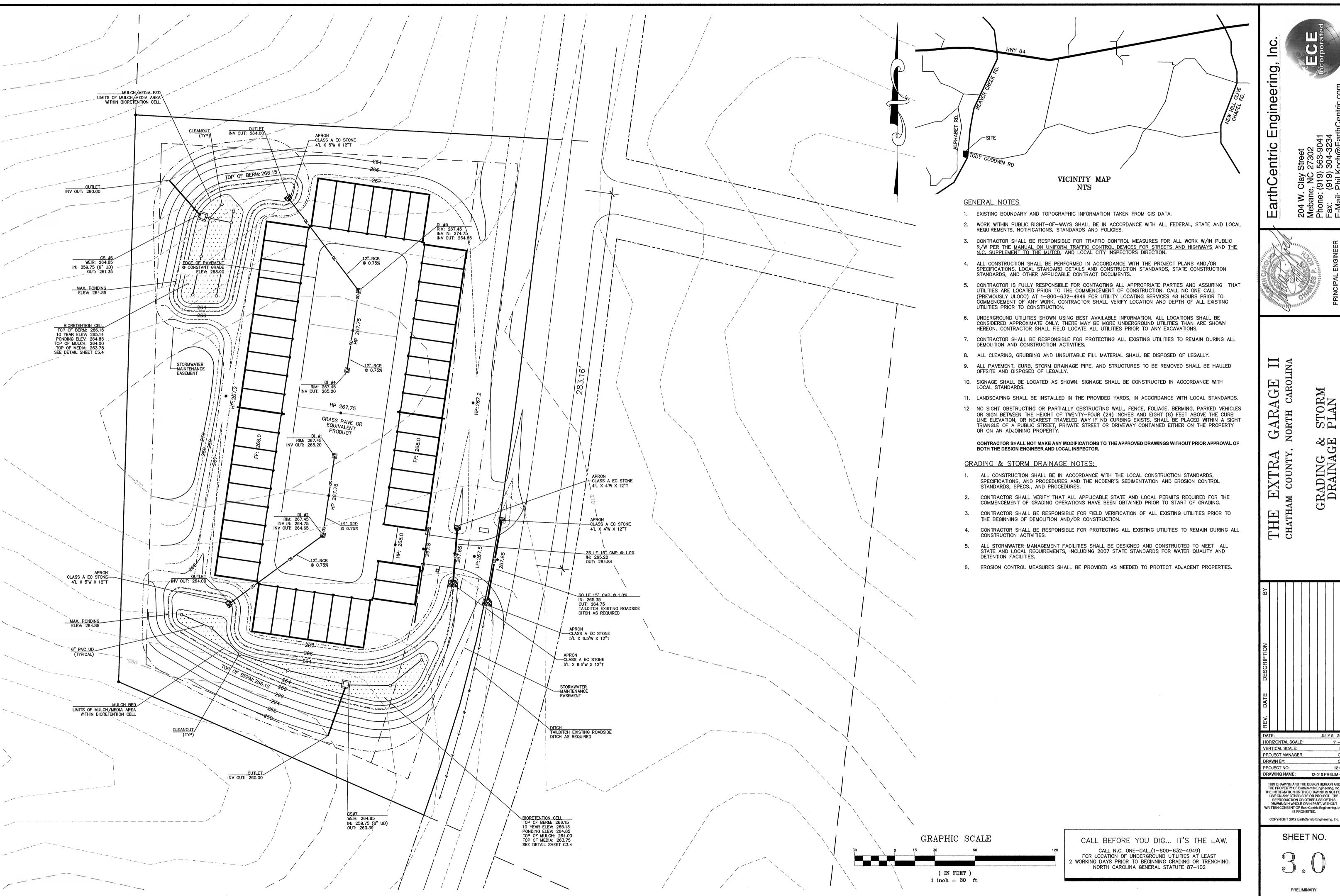
277 S.E. 5<sup>th</sup> Avenue Delray Beach, Florida 33483 (561) 276-0453 fax. (561) 272-7593

# THE **EXTRA GARAGE II** SELF-STORAGE CENTER

CHATHAM COUNTY, NC

OWNER/DEVELOPER: WALTER LEWIS

# Architectural Elevations



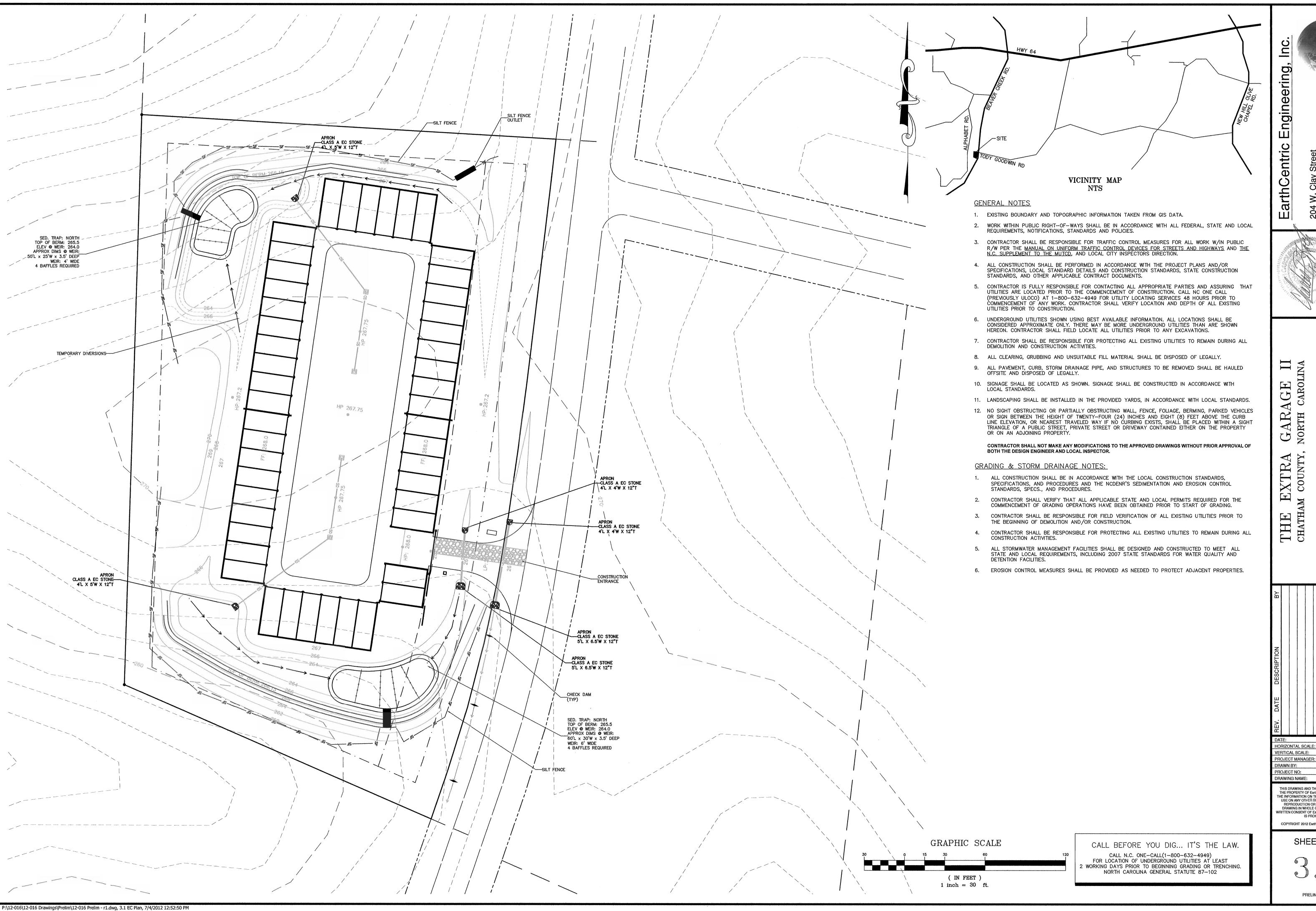
P:\12-016\12-016 Drawings\Prelim\12-016 Prelim - r1.dwg, 3.0 G & SD Plan, 7/4/2012 3:58:34 PM

STOR] PLAN

RADIN DRAIN

JULY 5, 201 HORIZONTAL SCALE: 1" = 30 PROJECT MANAGER:

12-016 PRELIM - F THIS DRAWING AND THE DESIGN HEREON ARE THE PROPERTY OF EarthCentric Engineering, Inc. THE INFORMATION ON THIS DRAWING IS NOT FOO USE ON ANY OTHER SITE OR PROJECT. THE REPRODUCTION OR OTHER USE OF THIS DRAWING IN WHOLE OR IN PART, WITHOUT WRITTEN CONSENT OF EarthCentric Engineering, Inc.
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HORIZONTAL SCALE:

12-016 PRELIM - R

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SHEET NO.

SEEDING NOTES:

1. AFTER AUGUST 15, USE UNSCARIFIED SERICEA SEED. 2. WHERE PERIODIC MOWING IS PLANNED OR A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND INCREASE KOBE LESPEDEZA TO 40 LB/ACRE. 3. TO EXTEND SPRING SEEDING DATES INTO JUNE, ADD 15 LB/ACRE HULLED BERMUDA GRASS. HOWEVER, AFTER MID-APRIL IT IS PREFERABLE TO SEED TEMPORARY COVER.

NURSE PLANTS:

BETWEEN MAY 1 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OF 15 LB/ACRE SUDAN GRASS. PRIOR TO MAY 1 OR AFTER AUG. 15 ADD 40 LB/ACRE RYE (GRAIN).

POSSIBLE AUG. 25 - SEPT. 15 AUG. 20 - OCT. 25 FEB. 15 - MAR. 21 FEB. 1 - APR. 15 LATE WINTER:

FALL IS BEST FOR TALL FESCUE AND LATE WINTER FOR LESPEDEZAS.

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 4,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER, EXCEPT, APPLY NO FERTILIZER TO AREAS WITHIN THE NEUSE RIVER RIPARIAN BUFFERS.

APPLY 4,000 LB/ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

#### TEMPORARY SEEDING SCHEDULES

TEMPORARY SEEDING RECOMMENDATIONS FOR LATE WINTER AND EARLY SPRING

SEEDING MIXTURE SPECIES

RATE (LB/ACRE)

RYE (GRAIN) ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

MOUNTAINS - ABOVE 2500 FT: FEB. 15 - MAY 15 BELOW 2500 FT: FEB. 1 - MAY 1

PIEDMONT - JAN. 1 - MAY 1 COASTAL PLAIN - DEC. 1 - APR. 15

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

RE--FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TABLE 6.10B TEMPORARY SEEDING RECOMMENDATIONS FOR SUMMER

SEEDING MIXTURE

SPECIES

RATE (LB/ACRE) GERMAN MILLET

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDAN GRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE.

MOUNTAINS - MAY 15 - AUG.15 PIEDMONT - MAY 1 - AUG.15

COASTAL PLAIN - APR. 15 - AUG. 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

APPLY 4.000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE,

**TABLE 6.10C** TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

SEEDING MIXTURE

RATE (LB/ACRE) SPECIES RYE (GRAIN)

MOUNTAINS - AUG. 15 - DEC 15 COASTAL PLAIN AND PIEDMONT - AUG. 15- DEC. 30

SOIL AMENDMENTS

FOLLOW SOIL TESTS OR APPLY 2.000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1.000 LB/ACRE 10-10-10 FERTILIZER.

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVER-SEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

STABILIZATION TIME TABLE

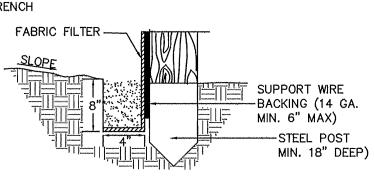
FLATTER THAN 4:1

SITE AREA DESCRIPTION STABILIZATION TIMEFRAME EXCEPTIONS PERMITER DIKES, SWALES, DITCHES 7 DAYS NONE AND SLOPES HIGH QUALITY WATER (HWQ) ZONES 7 DAYS NONE SLOPES STEEPER THAN 3:1 7 DAYS IF SLOPES ARE 10' IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED SLOPES 3:1 OR FLATTER 14 DAYS 7 DAYS FOR SLOPES > 50' IN LENGTH ALL OTHER AREAS WITH SLOPES 14 DAYS

FABRIC FILTER FENCE COMPACTED FILL BACKFILL MINIMUM OF 8"

THICK LAYER OF GRAVEL FABRIC FILTER ----SUPPORT WIRE -BACKING (14 GA. MIN. 6" MAX) STEEL POST MIN. 18" DEEP)

EXTENSION OF FABRIC AND WIRE INTO THE TRENCH



CONSTRUCTION SPECIFICATIONS:

1.) CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.

2.) ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 18 INCHES ABOVE THE GROUND SURFACE.

3.) CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A STEEL SUPPORT POST (1.33 LBS./LINEAR FT) WITH OVERLAP TO THE NEXT POST.

4.) SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY WIRE STAPLES AT LEAST 1 INCH LONG, OR WIRES. EXTEND THE MESH SUPPORT TO THE BOTTOM OF

5.) WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A

6.) EXTRA STRENGTH FILTER FABRIC WITH 6 FT POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. STAPLE OR WIRE THE FILTER FABRIC DIRECTLY TO THE

7.) EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER. 8.) BACKFILL THE TRENCH WITH COMPACTED SOIL OR GRAVEL PLACED OVER THE

9.) DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

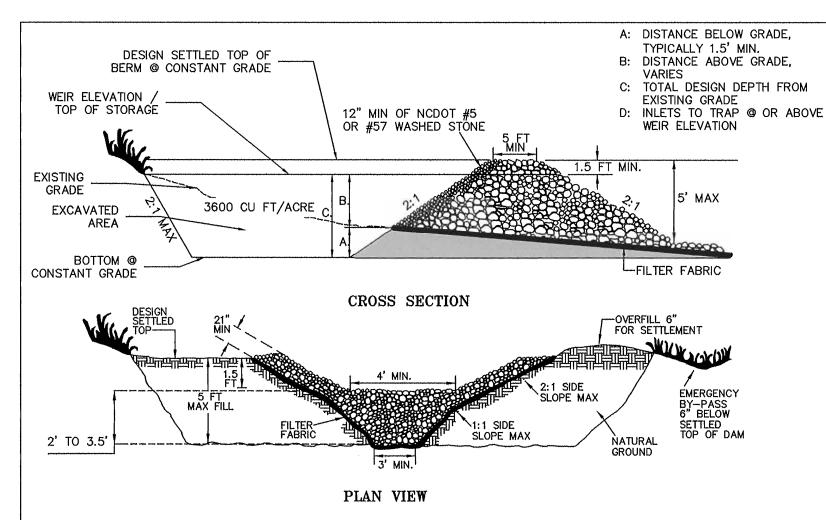
MAINTENANCE:

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY.

REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.

REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



TEMPORARY SEDIMENT TRAP

1. CLEAR, GRUB, AND STRIP THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. HAUL ALL OBJECTIONABLE MATERIAL TO THE DESIGNATED DISPOSAL

2. ENSURE THAT FILL MATERIAL FOR THE EMBANKMENT IS FREE OF ROOTS, WOODY VEGETATION, ORGANIC MATTER, AND OTHER OBJECTIONABLE MATERIAL. PLACE THE FILL IN LIFTS NOT TO EXCEED 9 INCHES AND MACHINE COMPACT IT. OVER FILL THE EMBANKMENT 6 INCHES TO ALLOW FOR

3. CONSTRUCT THE OUTLET SECTION IN THE EMBANKMENT. PROTECT THE CONNECTION BETWEEN THE RIPRAP AND THE SOIL FROM PIPING BY USING FILTER FABRIC OR A KEYWAY CUTOFF TRENCH BETWEEN THE RIPRAP STRUCTURE AND THE SOIL. PLACE THE FILTER FABRIC BETWEEN THE RIPRAP AND SOIL. EXTEND THE FABRIC ACROSS THE SPILLWAY FOUNDATION AND SIDES TO THE

EXCAVATE A KEYWAY TRENCH ALONG THE CENTERLINE OF THE SPILLWAY FOUNDATION EXTENDING UP THE SIDES TO THE HEIGHT OF THE DAM.

4. CLEAR THE POND AREA BELOW THE ELEVATION OF THE CREST OF THE SPILLWAY TO FACILITATE SEDIMENT CLEANOUT.

6. ENSURE THAT THE STONE (DRAINAGE) SECTION OF THE EMBANKMENT HAS A MINIMUM BOTTOM WIDTH OF 3 FT AND MAXIMUM SIDE SLOPES OF 1:1 THAT EXTEND TO THE BOTTOM OF THE SPILLWAY SECTION.

MUST BE LEVEL AND CONSTRUCTED TO GRADE TO ASSURE DESIGN CAPACITY. 8. MATERIAL USED IN THE STONE SECTION SHOULD BE A WELL-GRADED MIXTURE OF STONE WITH A D<sub>5.0</sub> SIZE OF 9 INCHES (CLASS B EROSION

WORKED INTO THE VOIDS OF THE LARGER STONES. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT DISCHARGE INLET WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET

). ENSURE THAT THE STONE SPILLWAY OUTLET SECTION EXTENDS DOWNSTREAM PAST THE TOE OF THE EMBANKMENT UNTIL STABLE CONDITIONS ARE REACHED AND OUTLET VELOCITY IS ACCEPTABLE FOR THE RECEIVING STREAM. KEEP THE EDGES OF THE STONE OUTLET SECTION FLUSH WITH THE SURROUNDING GROUND, AND SHAPE THE CENTER TO CONFINE THE OUTFLOW STREAM (REFERENCES: OUTLET PROTECTION).

11. DIRECT EMERGENCY BYPASS TO NATURAL, STABLE AREAS. LOCATE BYPASS OUTLETS SO THAT FLOW WILL NOT DAMAGE THE EMBANKMENT. 12. STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE TRAP IMMEDIATELY AFTER CONSTRUCTION (REFERENCES: SURFACE STABILIZATION).

13. SHOW THE DISTANCE FROM THE TOP OF THE SPILLWAY TO THE SEDIMENT CLEANOUT LEVEL (ONE—HALF THE DESIGN DEPTH) ON THE PLANS AND 14. INSTALL POROUS BAFFLES AS SPECIFIED IN PRACTICE 6.65, POROUS BAFFLES.

MAINTENANCE:

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN

AFTER ALL SEDIMENT--PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY (REFERENCES: SURFACE STABILIZATION).

THE TRENCH SHOULD BE AT LEAST 2 FT DEEP AND 2 FT WIDE WITH 1:1 SIDE SLOPES.

5. ALL CUT AND FILL SLOPES SHOULD BE 2:1 OR FLATTER.

7. CONSTRUCT THE MINIMUM FINISHED STONE SPILLWAY BOTTOM WIDTH, AS SHOWN ON THE PLANS, WITH 2:1 SIDE SLOPES EXTENDING TO THE TOP OF THE OVER FILLED EMBANKMENT. KEEP THE THICKNESS OF THE SIDES OF THE SPILLWAY OUTLET STRUCTURE AT A MINIMUM OF 21 INCHES. THE WEIR

CONTROL STONE IS RECOMMENDED) AND A MAXIMUM STONE SIZE OF 14 INCHES. THE STONE MAY BE MACHINE PLACED AND THE SMALLER STONES

PROTECTION TO DIVERT SEDIMENT-LADEN WATER TO THE UPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY (REFERENCES: RUNOFF CONTROL MEASURES AND OUTLET PROTECTION).

INSPECT TEMPORARY SEDIMENT TRAPS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE—HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN THE DESIGNATED DISPOSAL AREA AND REPLACE THE PART OF THE GRAVEL

GRADE. ANY RIPRAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

## PROJECT INFORMATION

PROJECT DESCRIPTION

THE PURPOSE OF THE PROJECT IS TO CONSTRUCT A 48 UNIT RV STORAGE FACILITY ON A 3,06 ACRE LOT. SITE LOCATED IN CHATHAM COUNTY ON BEVER CREEK ROAD (SEE VICINITY MAP).

THE SITE IS CURRENTLY A 3.06 ACRE, WOODED SITE. THE SITE SLOPES TO THE NORTH & SOUTH FROM A HIGH POINT CENTRALLY

LOCATED. SLOPES ARE IN THE 5 - 8% RANGE.

ADJACENT PROPERTY

LAND USE IN THE VICINITY IS MOSTLY RURAL, UNDEVELOPED TRACTS.

#### NARRATIVE

PLANNED EROSION AND SEDIMENTATION CONTROL PRACTICES

CONSTRUCTION ENTRANCE/EXIT A CONSTRUCTION ENTRANCE/EXIT IS PROVIDED AT THE ACCESS POINT TO THE SITE TO REDUCE SEDIMENTATION DEPOSIT ON THE EXISTING

SEDIMENT FENCE WILL BE CONSTRUCTED ALONG THE DOWNSTREAM PERIMETER OF THE PROPOSED RIGHT-OF-WAY. SILT FENCE OUTLETS ARE LOCATED ALONG THE LOW POINTS IN THE SEDIMENT FENCE WHERE NECESSARY AND WHERE SEDIMENT FENCE WRAPS BELOW THE BERMS OF SEDIMENT TRAPS.

SEDIMENT TRAPS ARE LOCATED AT THE ENDS OF EACH CUL-DE-SAC AND AT LOW POINTS OF DITCHES TO FILTER SEDIMENT LADEN RUNOFF FROM THE RIGHT-OF-WAY CONSTRUCTION PRIOR TO RELEASE TO NATURAL DRAINAGE WAYS.

DIVERSION DITCHES AND BERMS ARE LOCATED AS NECESSARY TO DIRECT SEDIMENT LADEN RUNOFF TO FILTERING DEVICES OR DIRECT CLEAN RUNOFF AROUND THE AREAS OF DISTURBANCE.

CHECK DAMS/DITCH LINERS CHECK DAMS ARE PROVIDED ALONG THE PERMANENT DITCH IN ORDER TO REDUCE EROSION VELOCITIES IN THE PROPOSED ROADSIDE DITCHES. UPON FINAL GRADING, CHECK DAMS WILL BE REMOVED AND REPLACED WITH THE TEMPORARY DITCH LINERS NOTED ON THE PLANS.

TEMPORARY/PERMANENT SEEDING TEMPORARY AND PERMANENT SEEDING ARE REQUIRED AT ANY POINT IN WHICH CONSTRUCTION ACTIVITIES CEASE FOR MORE THAN 14 DAYS.

RIP RAP APRONS ARE SPECIFIED AT ALL CULVERT LOCATIONS TO DISSAPATE FLOWS ENTERING/EXITING THE STORM DRAINAGE SYSTEM.

# CONSTRUCTION SCHEDULE

- OBTAIN ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS.
- HOLD PRECONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.
- INSTALL CONSTRUCTION ENTRANCE.
- CLEAR SITE AS NECESSARY TO INSTALL PERIMETER MEASURES. INSTALL PERIMETER MEASURES AND SEDIMENT TRAPS. STABILIZE TRAPS AND DIVERSIONS IMMEDIATELY UPON CONSTRUCTION.
- COMPLETE SITE CLEARING AND STRIPPING.
- INSTALL ENTRANCE PIPES AND ASSOCIATED APRONS.
- ROUGH GRADE PARKING FACILITY.
- INSTALL STORM DISTRIBUTION SYSTEM. INSTALL INLET PROTECTION IMMEDIATELY UPON COMPLETION OF EACH INLET.
- FINE GRADE SUBGRADE & BUILDING PAD.
- INSTALL ABC STONE AND COMPACT.
- POUR CONCRETE PAD FOR BUILDING.
- 12. PAVE ENTRANCE AND PARKING AREA. 13. INSTALL GRASSPAVE2.
- 14. STABILIZE ALL DISTURBED AREAS AND CONSTRUCT APRONS.
- 15. ONCE ALL UPSTREAM AREAS HAVE BEEN STABILIZED & BUILDING IS COMPLETE, REMOVE SEDIMENT BASINS AND CONSTRUCT PERMANENT BMPS. INSTALL CONTROL STRUCTURE, BARREL, AND APRON AS NOTED AND STABILIZE AREAS IMMEDIATELY.
- INSPECT ALL EROSION AND SEDIMENT CONTROL PRACTICES WEEKLY AND AFTER RAINFALL EVENTS. MAKE NEEDED REPAIRS IMMEDIATELY.
- AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND INSTALL PERMANENT VEGETATION ON THE

#### MAINTENANCE PLAN

CHECK ALL EROSION AND SEDIMENT CONTROL PRACTICES FOR STABILITY AND OPERATION FOLLOWING EVERY RAINFALL PRODUCING RUNOFF BUT IN NO CASE LESS THAN ONCE EVERY WEEK. MAKE ANY NEEDED REPAIRS IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED. FOLLOW ALL APPLICABLE REQUIREMENTS OF NPDES PHASE II PERMIT.

- REMOVE SEDIMENT FROM BEHIND SILT FENCE OUTLETS AND STONE FILTERS WHEN STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. CLEAN OR REPLACE GRAVEL ON OUTLETS WHEN THE WATER POOLS AND IS NO LONGER DRAINING PROPERLY.
- SEED AND STABILIZE ALL DISTURBED AREAS WITHIN 15 DAYS OF THE COMPLETION OF ANY PHASE OF GRADING. FERTILIZE ALL SEEDED AREAS, RESEED AS NECESSARY, AND MULCH ACCORDING TO THE SEEDING SCHEDULE TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE

# NPDES PERMIT REQUIREMENTS

THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF NPDES PERMIT FOR CONSTRUCTION ACTIVITIES (PERMIT NO. NCG010000). THE ITEMS NOTED ARE SOME OF THE OBLIGATIONS ASSOCIATED WITH THE NPDES PERMIT PROCESS.

CONTROLS FOR STORMWATER DISCHARGES

1. THE PERMITTEE SHALL IMPLEMENT THE SOIL AND EROSION CONTROL PLAN, WHICH HAS BEEN APPROVED BY THE APPROVAL AUTHORITY. THE APPROVED PLAN IS CONSIDERED A REQUIREMENT OR CONDITION OF NPDES PERMIT. DEVIATION FROM THE APPROVED PLAN. OR APPROVED AMENDMENT TO THE PLAN. SHALL CONSTITUTE A VIOLATION OF THE TERMS AND CONDITIONS OF THIS GENERAL PERMIT EXCEPT THAT DEVIATION FROM THE APPROVED PLAN WILL BE ALLOWED TO CORRECT AN EMERGENCY SITUATION WHERE SEDIMENTS ARE BEING DISCHARGED OFF THE SITE, EVEN THOUGH THE APPROVED PLAN IS IN EFFECT, SUCH A DEVIATION FROM THE APPROVED PLAN SHALL BE NOTED ON THE APPROVED PLAN MAINTAINED AT THE JOB SITE, A SIGNED

COPY OF THE APPROVED PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

2. EQUIPMENT UTILIZED DURING THE CONSTRUCTION ACTIVITY ON A SITE MUST BE OPERATED AND MAINTAINED IN SUCH A MANNER AS TO PREVENT THE POTENTIAL OR ACTUAL POLLUTION OF THE SURFACE OR GROUND WATERS OF THE STATE. FUELS, LUBRICANTS, COOLANTS, AND HYDRAULIC FLUIDS, OR ANY OTHER PETROLEUM PRODUCTS, SHALL NOT BE DISCHARGED ONTO THE GROUND OR INTO SURFACE WATERS. SPENT FLUIDS SHALL BE DISPOSED OF IN A MANNER SO AS NOT TO ENTER THE WATERS, SURFACE OR GROUND, OF THE STATE AND IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL DISPOSAL REGULATIONS, ANY SPILLED FLUIDS SHALL BE CLEANED UP TO THE EXTENT PRACTICABLE AND DISPOSED OF IN A MANNER SO AS NOT TO ALLOW THEIR ENTRY INTO THE WATERS, SURFACE OR GROUND, OF THE

HERBICIDE, PESTICIDE, AND FERTILIZER USAGE DURING THE CONSTRUCTION ACTIVITY SHALL BE RESTRICTED TO THOSE MATERIALS APPROVED BY EPA AND SHALL BE IN ACCORDANCE WITH LABEL RESTRICTIONS.

4. ALL WASTES COMPOSED OF BUILDING MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH NORTH CAROLINA GENERAL STATUTES.

5. THE PERMITTEE SHALL REPORT TO THE CENTRAL OFFICE OR THE APPROPRIATE REGIONAL OFFICE ANY NONCOMPLIANCE WHICH MAY ENDANGER HEALTH OR THE ENVIRONMENT. ANY INFORMATION SHALL BE PROVIDED ORALLY WITHIN 24 HOURS FROM THE TIME THE PERMITTEE BECAME AWARE OF THE CIRCUMSTANCES, A WRITTEN SUBMISSION SHALL ALSO BE PROVIDED WITHIN 5 DAYS OF THE TIME THE PERMITTEE BECOMES AWARE OF THE CIRCUMSTANCES.

THE WRITTEN SUBMISSION SHALL CONTAIN A DESCRIPTION OF THE NONCOMPLIANCE, AND ITS CAUSES: THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATES AND TIMES, AND IF THE NONCOMPLIANCE HAS NOT BEEN CORRECTED, THE ANTICIPATED TIME IT IS EXPECTED TO CONTINUE; AND STEPS TAKEN OR PLANNED TO REDUCE, ELIMINATE, AND PREVENT REOCCURRENCE OF THE NONCOMPLIANCE (SEE SPECIFIC PERMIT REQUIREMENTS FOR REPORTING INFORMATION).

## MINIMUM MONITORING AND REPORTING REQUIREMENTS

MINIMUM MONITORING AND REPORTING REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE APPROVED IN WRITING BY THE DIRECTOR OF THE DIVISION OF ENVIRONMENTAL

ALL SEDIMENTATION AND EROSION CONTROL FACILITIES SHALL BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THEN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD.

STORMWATER RUNOFF DISCHARGES SHALL BE INSPECTED BY OBSERVATION FOR STORMWATER DISCHARGE CHARACTERISTICS AS DEFINED BELOW AT THE ABOVE FREQUENCY TO EVALUATE THE EFFECTIVENESS OF THE POLLUTION CONTROL FACILITIES OR PRACTICES. IF ANY VISIBLE OFF-SITE SEDIMENTATION IS LEAVING THE SITE, CORRECTIVE ACTION SHALL BE TAKEN TO REDUCE THE DISCHARGE OF SEDIMENTS

ACTION SMALL BE TAKEN TO	KEDUCE INE DI	SCHARGE OF
Stormwater Discharge Characteristics	Monitoring Type <sup>1</sup>	Monitoring Location <sup>2</sup>
Color		SDO
Odor		\$DO
Clarity		SDO
Floating Solids		SDO
Suspended Solids		SDO
Foam		SDO
Oil Sheen		SDO
Other obvious indicators of stormwater pollution		SDO

1 MONITORING TYPE: THE MONITORING REQUIRES A QUALITATIVE OBSERVATION OF EACH STORMWATER OUTFALL. NO ANALYTICAL TESTING OR SAMPLING IS REQUIRED.

THE OPERATOR SHALL KEEP A RECORD OF INSPECTIONS. VISIBLE SEDIMENTATION FOUND OFF THE SITE SHALL BE RECORDED WITH A BRIEF EXPLANATION AS TO THE MEASURES TAKEN TO PREVENT FUTURE RELEASES AS WELL AS ANY MEASURES TAKEN TO CLEAN UP THE SEDIMENT THAT HAS LEFT THE SITE. THIS RECORD SHALL BE MADE AVAILABLE TO DEM OR AUTHORIZED AGENT UPON REQUEST. REPORTS SHALL BE MAINTAINED ONSITE AT ALL TIMES.

PERMITTEE SHALL AT ALL TIMES PROVIDE THE OPERATION AND MAINTENANCE NECESSARY TO OPERATE THE PERMITTED STORMWATER CONTROLS AT OPTIMUM EFFICIENCY.

2 SAMPLE LOCATION: STORMWATER DISCHARGE OUTFALL (SDO)

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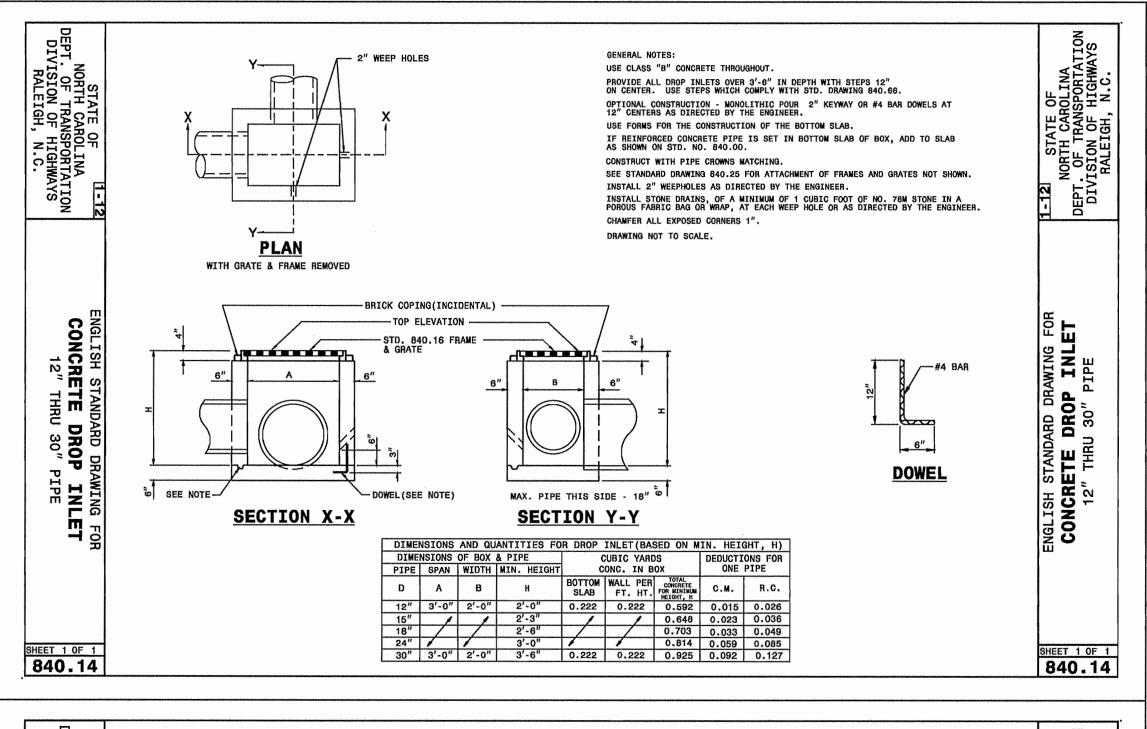
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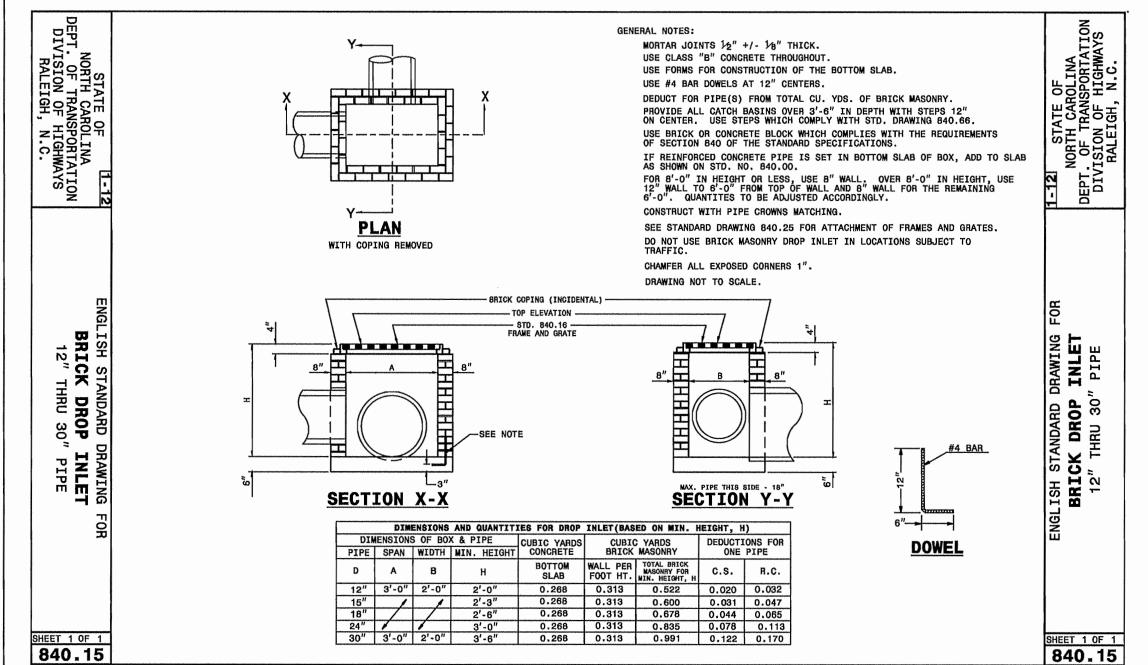
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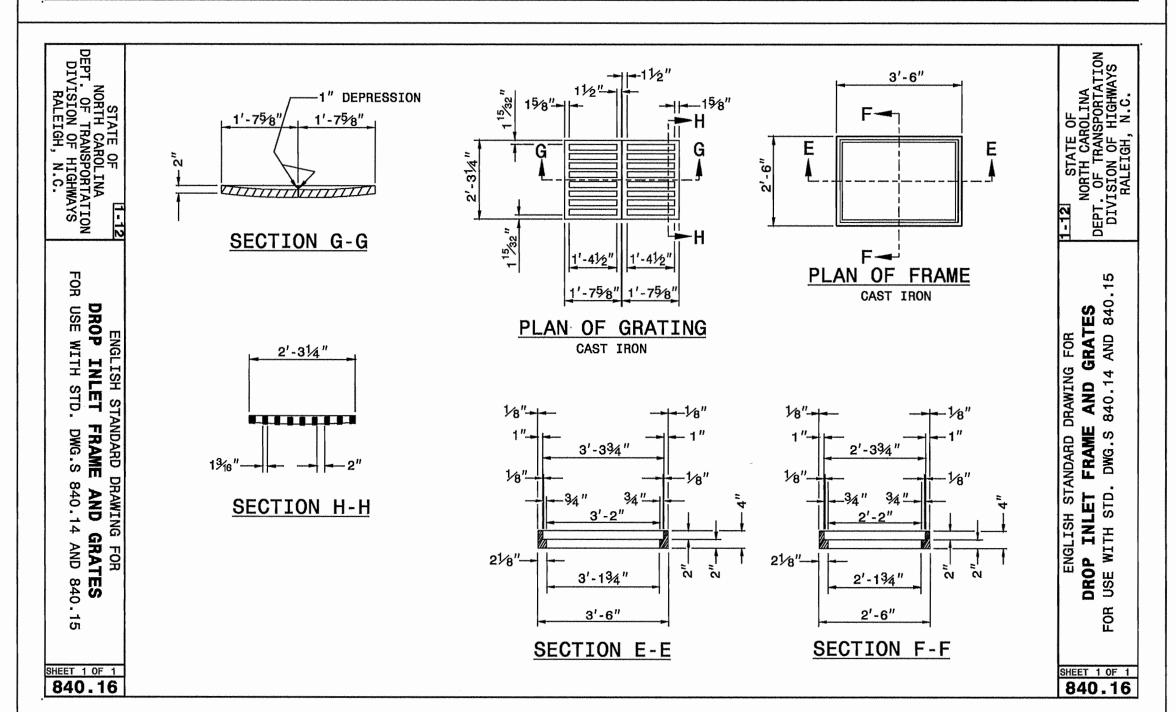
BE #5 OR #57 STONE TOP VIEW SILT FENCE SILT FENCE SILT FENCE-1'-6" MIN. SEDIMENT 1'-6" MIN.-STRUCTURAL CONTROL-FRONT VIEW CROSS SECTION

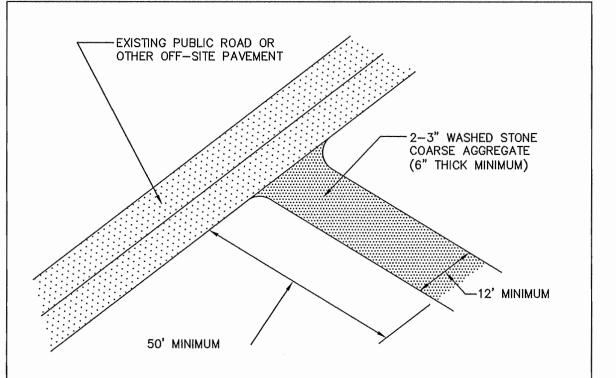
NOTE: STRUCTURAL STONE SHALL BE (CLASS "B") STONE FOR EROSION CONTROL PURPOSES. SILT FENCE SILT FENCE SEDIMENT CONTROL STONE SHALL

SILT FENCE OUTLET









### CONSTRUCTION ENTRANCE/EXIT CONSTRUCTION SPECIFICATIONS:

1.) CLEAR THE ENTRANCE AND EXIT OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.

2.) PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT.

3.) PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SÚITABLE OUTLET.

4.) USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE THE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC

#### CONSTRUCTION SPECIFICATIONS

1. REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL.

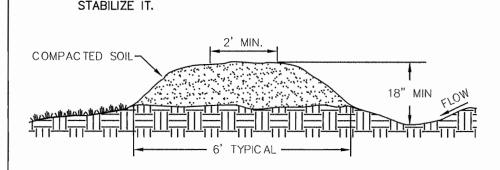
2. ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DESIGN REQUIREMENTS.

3. ENSURE THAT THE TOP OF THE DIKE IS NOT LOWER AT ANY POINT THAN THE DESIGN ELEVATION PLUS THE SPECIFIED

4. PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT

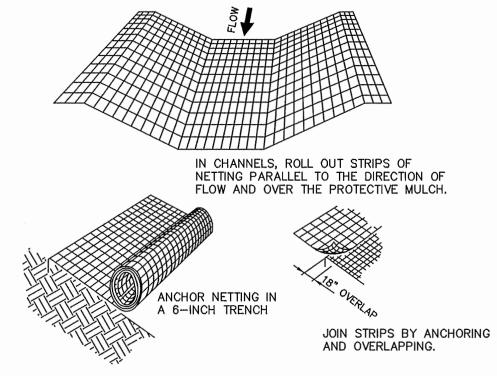
MACHINE REGRADING AND CLEANOUT. 5. VEGETATE THE RIDGE IMMEDIATELY AFTER CONSTRUCTION. INSPECT

IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY



TEMPORARY DIVERSION DITCH

TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. MAINTENANCE



INSTALLATION OF NETTING AND MATTING

PRODUCTS DESIGNED TO CONTROL EROSION SHOULD BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANY MAT OR BLANKET-TYPE PRODUCT USED AS A PROTECTIVE MULCH SHOULD PROVIDE COVER OF AT LEAST 30% OF THE SURFACE WHERE IT IS

APPLY LIME, FERTILIZER AND SEED BEFORE LAYING THE NET OR MAT.

2. START LAYING THE NET FROM THE TOP OF THE CHANNEL OR SLOPE AND UNROLL IT DOWN THE GRADE. ALLOW NETTING TO LAY LOOSELY ON THE SOIL BUT WITHOUT WRINKLES - DO

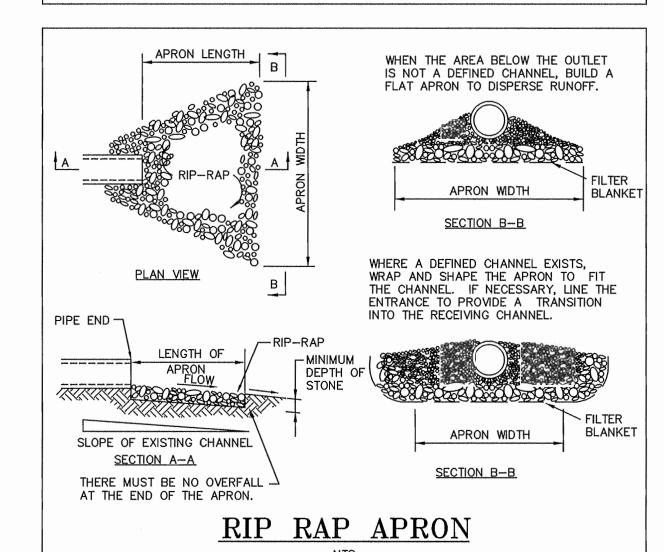
3. TO SECURE THE NET, BURY THE UPSLOPE END IN A SLOT OR TRENCH NO LESS THAN 6 INCHES DEEP, COVER WITH SOIL, AND TAMP FIRMLY. STAPLE THE NET EVERY 12 INCHES ACROSS THE TOP END AND EVERY 3 FEET AROUND THE EDGES AND BOTTOM. WHERE 2 STRIPS OF NET ARE LAID SIDE BY SIDE, THE ADJACENT EDGES SHOULD BE OVERLAPPED 3 INCHES AND STAPLED TOGETHER. EACH STRIP OF NETTING SHOULD ALSO BE STAPLED DOWN THE CENTER, EVERY 3 FEET. DO NOT STRETCH THE NET WHEN APPLYING STAPLES.

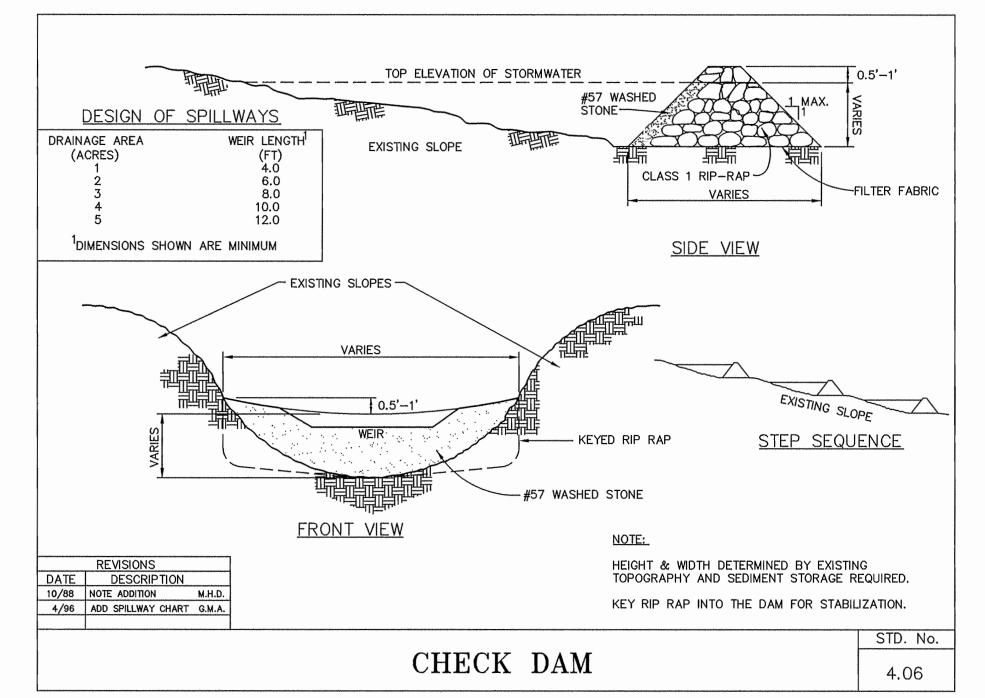
TO JOIN TWO STRIPS, CUT A TRENCH TO ANCHOR THE END OF THE NEW NET. OVERLAP THE END OF THE PREVIOUS ROLL 18 INCHES AND STAPLE EVERY 12 INCHES JUST BELOW THE ANCHOR SLOT.

#### MAINTENANCE

INSPECT ALL MULCHES PERIODICALLY, AND AFTER RAINSTORMS TO CHECK FOR RILL EROSION, DISLOCATION, OR FAILURE. WHERE EROSION IS OBSERVED, APPLY ADDITIONAL MULCH. IF WASHOUT OCCURS, REPAIR THE SLOPE GRADE, RESEED, AND REINSTALL MULCH. CONTINUE INSPECTIONS UNTIL VEGETATION IS FIRMLY ESTABLISHED.

## NETS AND MATS







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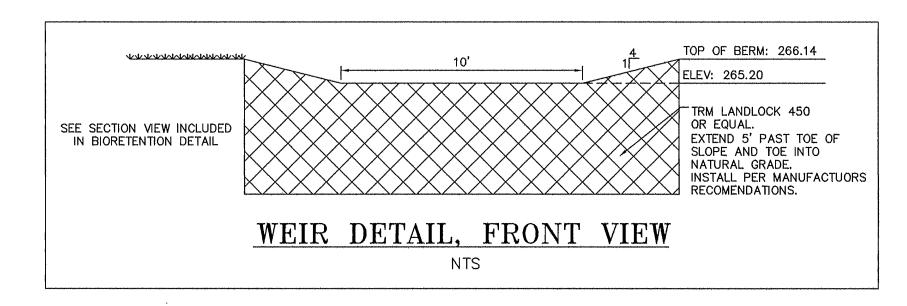
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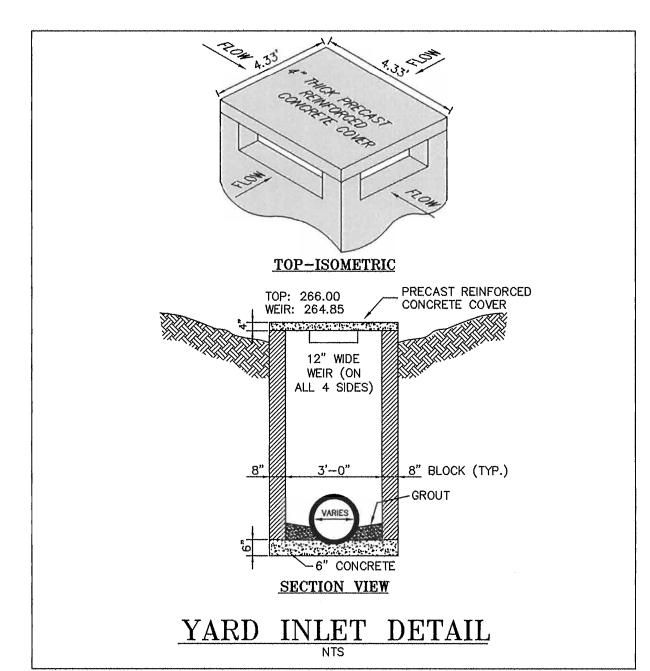
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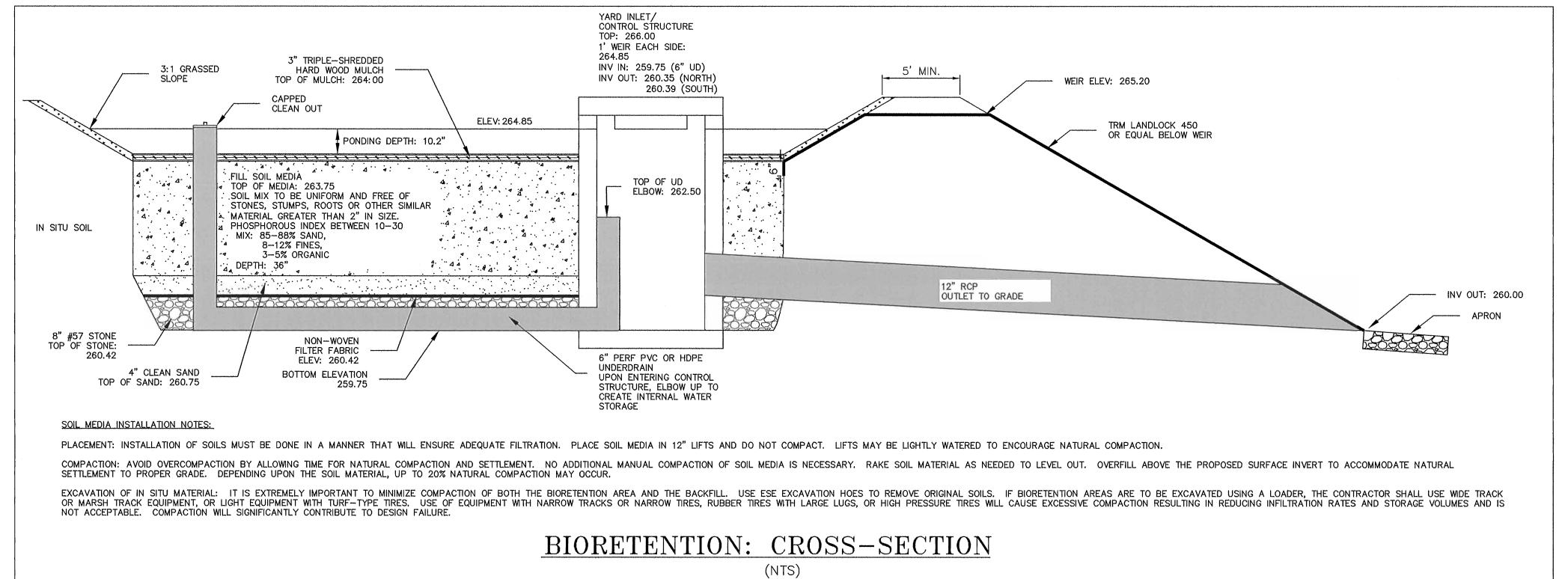
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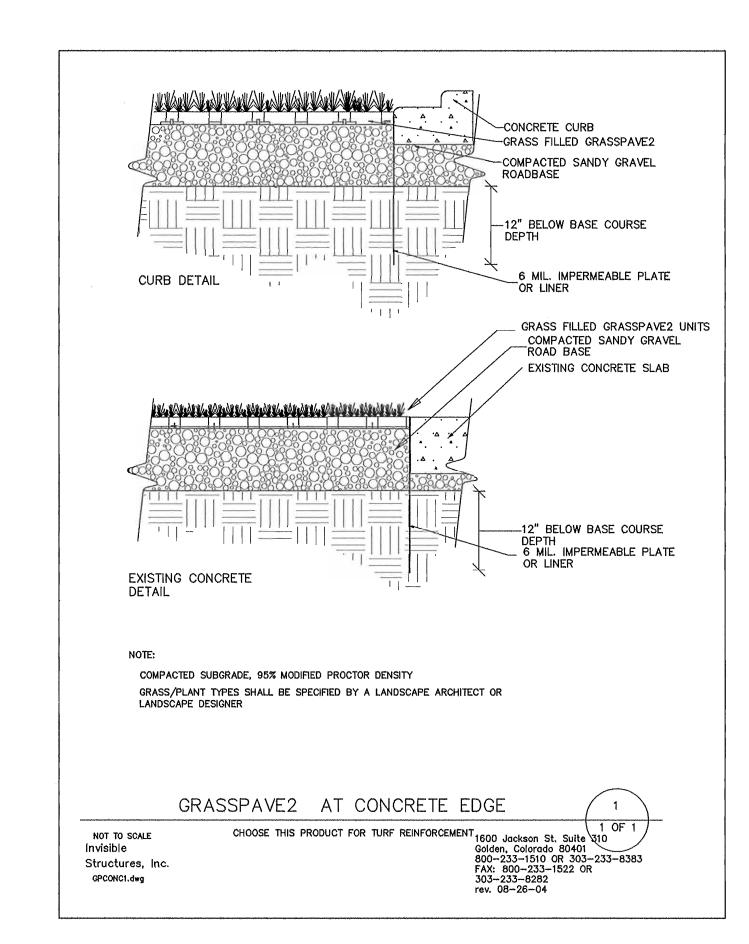
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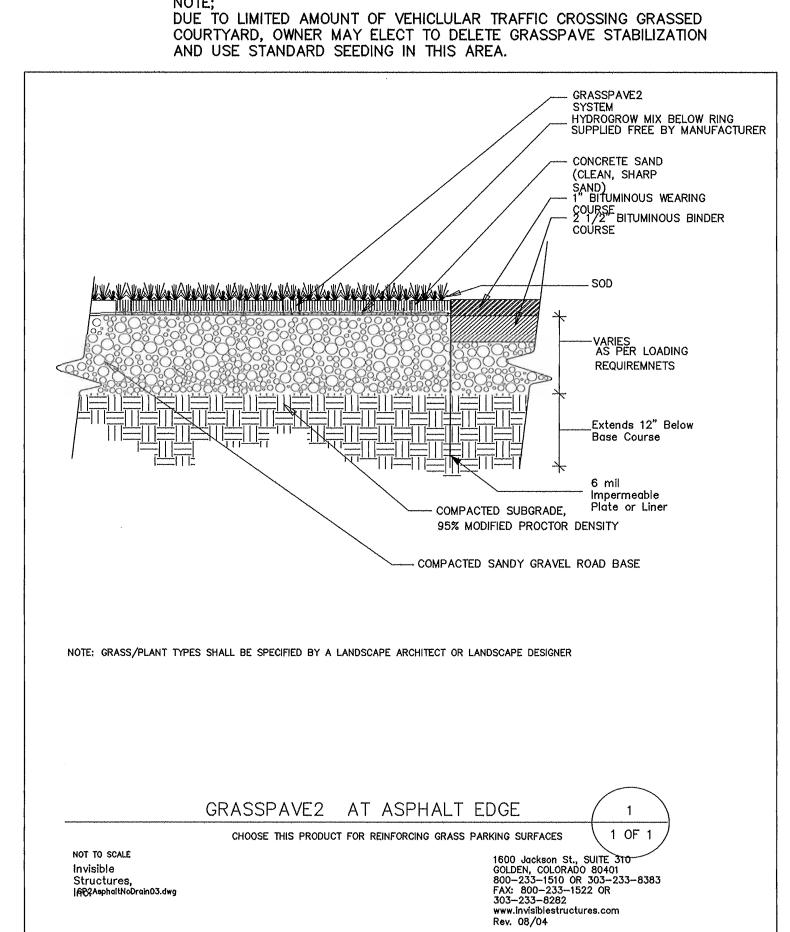
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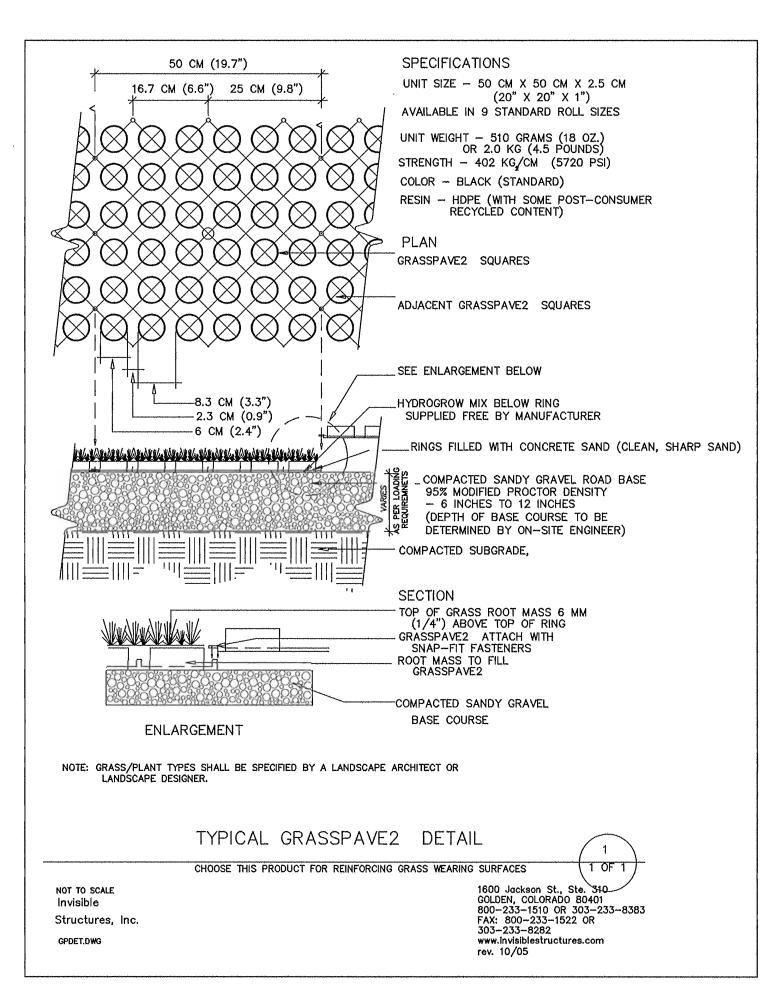


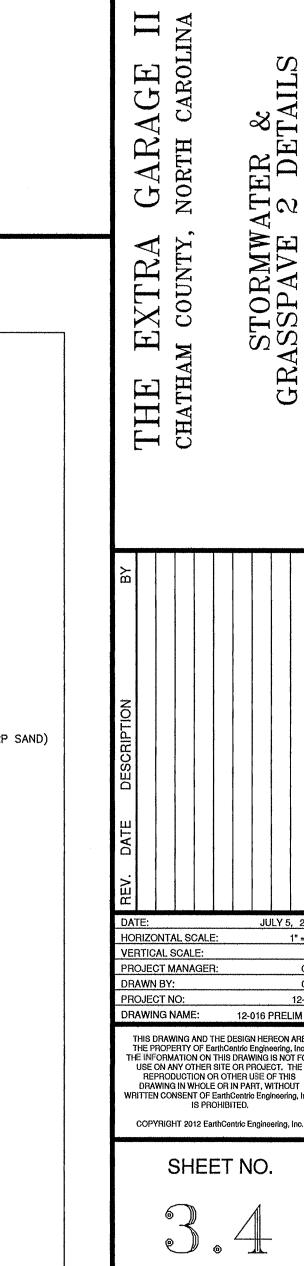












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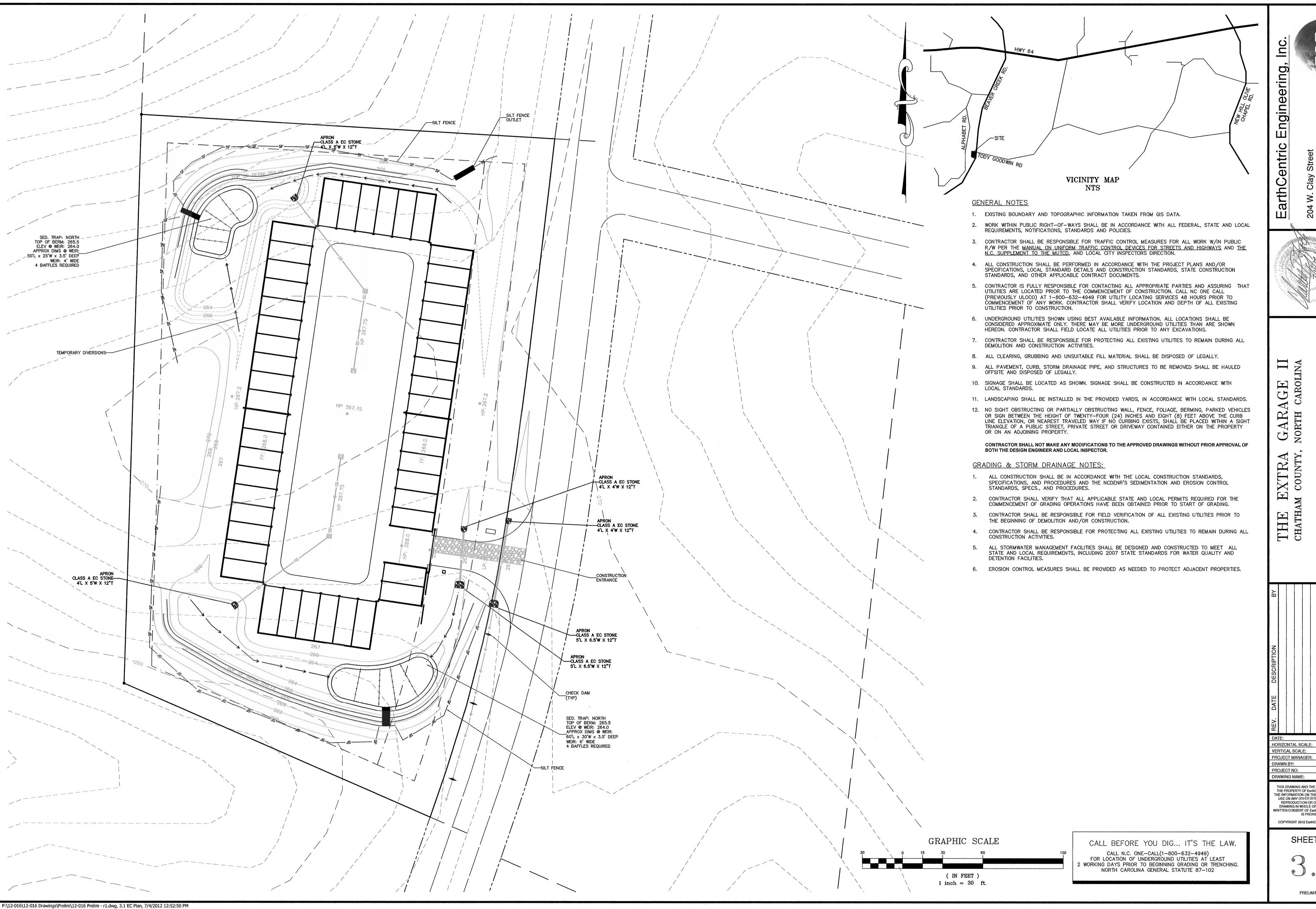
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